

### **AMENDMENTS TO THE SPECIFICATION**

Please replace Paragraph [0108] with the following paragraph rewritten in amendment format:

**[0108]** The cooling system design simulator enables a user to select a TXV based on the simulation results. This function is chosen by clicking on the Flow Controls TXV Selection button (see Figure 44). The flow control TXV selection screen is shown in Figure 45. Selection parameters including refrigerant, percent bleed, evaporator, condensing, liquid temperature, and ~~system~~ evaporator capacity are automatically entered based on the results of the system simulation. A provision has been provided so that the user may directly enter the required data for selecting TXV without running the system simulation. The user may enter other selection criteria such as valve type series, connection type, strainer, distributor type and valve loading range. A list of the available TXV's corresponding to the selection inputs is provided and include the capacity, percent loading, port type and recommended application. Additionally, a digital picture of the recommended TXV (not shown) is provided.